Amendments to the Claims:

The following claims will replace all prior versions of the claims in this application (in the unlikely event that no claims follow herein, the previously pending claims will remain):

- 1. (Currently Amended) An RFID tag installation system using two CCD cameras, two GPS receivers, and an INS, a DMI and a sensor synchronizer, being installed inside and outside of a vehicle, the system comprising:
 - a vehicle position (x, y, z) and yaw extractor using the two GPS receivers; an orientation (position, attitude altitude) extractor for the vehicle using INS;
- a GPS/INS GPS/INS/DMI integrator for GPS outage and for INS error correction in real time or a post-processing stage;
- a camera interior/exterior orientation extractor for estimating lens distortion, focal length, principle point, and orientation of the CCD camera;
- a target position extractor for finding 3-dimensional coordinates of a road in which the RFID tag is installed <u>using images from the two CCD cameras and data from the GPS/INS</u> integrator;
- a road information storage storager for providing road information such as including a speed limit and a route number of a road in which the RFID tag is installed;
- a RFID tag writer for inputting the 3-dimensional coordinates and road information to the RFID tag; and
 - a RFID tag installer for installing the RFID tag on the road.
- 2. (Original) The system of claim 1, wherein the RFID tag is attached to a screw, a nail or a reflection plate, thereby installed on the road.
- 3. (Currently Amended) An RFID tag installing method using two CCD cameras, two GPS receivers, and an INS, a DMI and a sensor synchronizer, being installed inside and outside a vehicle, the method comprising the steps of:
- (a) calculating orientation of the vehicle by using GPS/INS GPS/INS/DMI integration in real time or in a post-processing stage;
- (b) while the step (a) is performed, extracting camera interior/exterior orientation by using self-calibration;

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- (c) finding 3-dimensional coordinates of a road in which the RFID tag is installed by using the camera interior/exterior orientation extracted at the step (b), the vehicle orientation obtained at the step (a), and target region appearing in stereo images;
- (d) inputting the road information supplied from a road information storage storager and the 3-dimensional coordinates of the road position information found at the step (c) to the RFID tag; and
 - (e) installing the RFID tag on the road.
- 4. (Original) The method of claim 3, wherein, in the step (d), the road information and the 3-dimensional coordinates are converted into a format for an RFID tag writer and inputted to the RFID tag.
- 5. (Original) The method of claim 3, wherein, in the step (e), the RFID tag is attached to a screw, a nail or a reflection plate, and the screw, the nail or the reflection plate is installed on the road.